

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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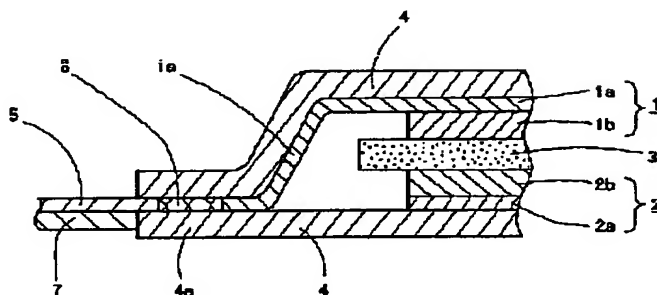
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TITLE : POLYMER ELECTROLYTE BATTERY



**ABSTRACT :** PROBLEM TO BE SOLVED: To prevent the corrosion of aluminum at a junction and to increase the strength of the portion on the outside of a seal portion by connecting the aluminum current collector of a positive electrode and a positive electrode terminal at the seal portion of exterior bodies, and fitting a metal protective plate to the portion of the positive electrode terminal on the outside than the seal portion of the exterior bodies.

**SOLUTION:** Two exterior bodies 4 are used, and a modified polyolefin sheet made of a laminated film used for the exterior bodies 4 is thermally fused to seal the exterior bodies 4. The current collector 1 a of a positive electrode 1 and a positive electrode terminal 5 are connected by welding at the seal portion 4a of the exterior bodies 4, and the junction 8 between the current collector 1a and the positive electrode terminal 5 is located in the region of the seal portion 4a of the exterior bodies 4. The welding width is 2 mm, and the width of the seal portion 4a is 4 mm. A nickel protective plate 7 is fitted by welding to the portion of the positive electrode terminal 5 on the outside than the seal portion 4a of the exterior bodies 4.

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